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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/088,190	03/14/2002	Randall L. Barbour	0887-4167	1512
7590 11/16/2004			EXAMINER	
PETER I. BEF	RNSTEIN	JUNG, WILLIAM C		
SCULLY, SCO	TT, MURPHY & PRESSI	ER		
400 GARDEN CITY PLAZA			ART UNIT	PAPER NUMBER
GARDEN CITY, NY 11530			3737	. 1
			DATE MAIL ED: 11/16/2004	, <i>(</i> /

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/088,190	BARBOUR, RANDALL L.				
Office Action Summary	Examiner	Art Unit				
	William Jung	3737				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).		be timely filed) days will be considered timely. from the mailing date of this communication. ONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 23 February 2004.						
· _ · · ·						
3) Since this application is in condition for allow	· —					
Disposition of Claims						
4)	awn from consideration.	· .				
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
*Address of the second of the						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Sumr	nary (PTO-413)				
2) Notice of Praftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date	Paper No(s)/Ma	ail Date nal Patent Application (PTO-152)				

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-4, 6, 7, 10-19, and 21-28 have been considered but are most in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-4, 6, 7, 10-19, and 21-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Tsuchiya (US 6,335,792).

Tsuchiya anticipates all claimed features in claims 1-4, 6, 7, 10-19, and 21-28.

Claims 1, 4, 6, 22, 26, 27, and 28: Tsuchiya discloses a method and apparatus to enhance imaging a target medium using optical tomography to direct energy into a target of interest from at least one source during a period of time, the target medium having heterogeneous or dynamic properties where the energy from at least one source is highly scattered by the target medium emerges from the target medium at different locations around the target medium, measuring the energy emerging from the target medium using multiple detectors positioned to detect the emerging energy at different locations where the energy emerging from the target medium has dynamic properties, and generating a map of the dynamic properties of the target medium based

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on the measured energy emerging from the target medium at the different location (col. 3, line 48 – col. 5, line 13; col. 26, line 27 – col. 31, line 31)

Claims 2, 3, 7, 10-19, 21, and 23-25: Tsuchiya further discloses that the images are generated as series of time where the image properties of the target medium is based on measure energy emerged from the target medium representation of the cross-sectional properties of the target medium at time interval and the mapping generated from the process includes dynamic properties of the target medium (col. 5, line 42 – col. 6, line 19). In addition, Tsuchiya discloses using multiple frequency wavelength detection and the dynamic effect on the target medium where the energy directed toward the target medium serves as stimulus, which is near infrared energy (col. 33, line 11 – col. 34, line 63).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William Jung, Ph.D. whose telephone number is 703-605-4364. The examiner can normally be reached on Mon-Fri 8:30 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 703-308-3552. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

November 11, 2004

ALI IMAM
PRIMARY EXAMINER